

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

1-22. (Cancelled)

23. (Currently Amended) An integrating sphere, comprising:

an inlet port, adapted to receive radiation;

a spherical body, having an internal surface that is adapted to diffusely reflect the radiation received through the inlet port; and

first and second output ports, adapted to convey the radiation from within the spherical body to first and second detectors, coupled respectively to the ports, the first port having a substantially greater diameter than the second port, whereby a substantially greater portion of the radiation is conveyed to the first detector than to the second detector, the first detector being configured to detect variations in the scattered radiation with a greater sensitivity than the second detector and the second detector being configured to saturate at a higher intensity of the scattered radiation than the first detector.

24-45. (Cancelled)

46. (Currently Amended) A method for processing radiation, comprising:

collecting the radiation in an integrating sphere; and

coupling first and second detectors to respective first and second output ports of the integrating sphere, the first port having a substantially greater diameter than the second port, whereby a substantially greater portion of the radiation is conveyed to the first detector than to the second detector; and

configuring the first detector to detect variations in the scattered radiation with a greater sensitivity than the second detector and the second detector to saturate at a higher intensity of the scattered radiation than the first detector.